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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2003/002021

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A01K 29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A01K 13/00, 29/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and applications for inventions since 1975, Korean Utility models and applications for Utility models since 1975 and
Japanese Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

IBM, Delphion, USPTO

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,977,857 (Nora Slawinski) December 18, 1990 see the claims, the drawings	1
A	US 3,850,144 (Mary Lou Springer et al.) November 26, 1974 see the whole document	1
A	JP 2000-316412 A(Kawamura Shuji) November 21, 2000 see claim 2, the drawings	1
A	KR 1989-0008691 Y1(Nora Slawinski) May 30, 1989 see the claims, the drawings	1
A	KR 1985-0003692 Y1(Kim, Jae-joon) July 08, 1985 see the claims, the drawings	1

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 20 JANUARY 2004 (20.01.2004)	Date of mailing of the international search report 20 JANUARY 2004 (20.01.2004)
Name and mailing address of the ISA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer KIM, Tae San Telephone No. 82-42-481-5633 

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